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1. Fill in the blanks.

1. The successor of the smallest whole number is \_\_\_\_\_\_\_\_

2. The successor of the largest two digit number is \_\_\_\_\_\_\_

3. The predecessor of the smallest natural number is \_\_\_\_\_\_\_

4. The predecessor of the smallest three-digit number is \_\_\_\_\_\_\_

5.367 + \_\_\_\_\_\_\_ = 493 +367

6. 999 + 0 = \_\_\_\_\_\_\_\_

7. 21111 + \_\_\_\_\_\_\_\_ = 21111

8. 49+ (135+27) = (49 + 135) +\_\_\_\_\_\_\_

9. 879 - \_\_\_\_\_\_\_ =879

10. 42985 -\_\_\_\_\_\_\_\_= 19875

11.87389 × 0 =\_\_\_\_\_\_\_\_

12. 3976 × 1 =\_\_\_\_\_\_\_\_\_

13.472 × 98 = 98 ×\_\_\_\_\_\_\_

14. (34 x 46) x 92 = \_\_\_\_ × (46 × 92)

15.5 (\_\_\_\_\_\_\_+ 7) = 5 x 9 + 5×7

16.11 × 8 + 8 × 8 = (11 + 8) × \_\_\_\_\_\_

17.9×5+ 9× \_\_\_\_= 9(5 + 4)

18. 27 x 18 = 27 x 20 - 27 x\_\_\_\_\_

19. 205 × 59 = 59 x 200 + 59 ×\_\_\_\_\_\_\_

20. 2431 × 99 = 2431 x\_\_\_\_\_\_\_ - 2431

21. 0 ÷ 175 =\_\_\_\_\_

22. 795 ÷ 795 =\_\_\_\_\_\_\_

23. \_\_\_\_\_÷ 999 = 0

24. (5624 ÷ 5624) + (3289 ÷ 3289)=\_\_\_\_\_\_\_

25. When the product of two whole numbers is 0, then one of them is equal to\_\_\_\_\_\_\_

26. If **a** is a whole number such that a + a = a, then the value of **a** is \_\_\_\_\_\_\_\_

27. If **a** ÷ 9 gives quotient 6 and remainder 7, then **a**= \_\_\_\_\_\_\_

28. If a x a = a, then the possible values of a are \_\_\_\_\_\_ and \_\_\_\_\_\_\_

29. For whole numbers,\_\_\_\_\_\_\_\_\_\_is the additive identity.

30. Multiplicative identity for the whole numbers is\_\_\_\_\_\_\_\_\_\_.

31. Whole numbers are closed under \_\_\_\_\_\_\_\_and \_\_\_\_\_\_\_\_\_.

32. If a and b are two whole numbers, then which of the following may not always be a whole

number?

a. a + b b. a × b c. a - b d. a + 2b

33. The value of 2970 x 84 +2970 × 16 is

a. 29700 b. 2970000 c. 29700 d. 297000

B. Find solutions to these short-answer type questions:

1. A piece of wire 5 m 25 cm long broke into two pieces. If one piece is 2 m 85 cm long,

find the length of the other piece.

2. In a factory 96 workers work on a monthly salary of 7895. Find the total salary paid by

the factory manager per month to the workers.

3. Vijay and his father covered 268 km in one day while they were on a tour. After 8 days

they decided to travel for another 2 days. Find the total distance covered by them during

the whole journey.

9. Write the next two steps of the pattern given below:

9 x 9 + 7 = 88

98 x 9 + 6 888

987 x 9 + 5 = 8888 …… ……

D. Find solutions to these long-answer type questions.

1. On a particular day, the number of people who came to see the circus was 1500. Each

ticket was sold for 50 and the total collection from the sale of tickets was \* 73500. A

certain number of people were invitees and they did not have to buy the tickets. Find the

number of invitees.

2. Find the product of the largest 3-digit number and the largest 2-digit number using suitable

property.

3. Using a simple method, find the value of 9 + 99 +999 +9999

4. On dividing 73855 by 27, the remainder is 10. Find the quotient.